

2. Changpu

Program Name: Changpu.java

Test Input File: changpu.dat

Changpu has just learned about numbers and their complements, especially since a complement is slightly different than the opposite of a number. He decides to write a simple program to test his newfound knowledge, but needs a little help. For fun, he wants to take any number, negative or non-negative, and print its complement if it is even, otherwise just print its opposite value if it is odd.

For example, the values 0 and -1 are complement values. So are 1 and -2, 2 and -3, 3 and -4, and so on. Opposites are different. The opposite of 1 is -1, 2's opposite is -2, and so on.

Input: A series of two-digit integers, all on one line, with single space separation.

Output: For each input integer N, if it is even, print N and its complement value, otherwise print N and its opposite value, with single space separation.

Sample Input:

```
83 -70 81 -13 51
```

Sample Output:

```
83 -83
-70 69
81 -81
-13 13
51 -51
```